Soumyadip Nayak

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Skills

Programming
- Python (3+ yrs) • SQL (3+ yrs)
- JavaScript (2+ yrs) • Dart (1 yr)
- C/C++ (2+ yrs)

Technology/Tools
- AWS • GCP • Git • BitBucket
- PostgreSQL • Selenium
- Pandas • FastAPI • ReactJS
- NodeJS • NestJS • Jira

Education

Chandigarh University
Masters in Computer Applications
2025 – Present
CGPA: 8.8 / 10 (Upto 1st Semester)

Ramakrishna Mission
Residential College
B.Sc (Hons.) in Mathematics
Minor: Computer Science, Statistics
2019 – 2022
CGPA: 7.28 / 10

Languages

English (Professional)
Bengali (Native)
Hindi (Basic)

Experience

Software Engineer
Intelligent Revenue LLP
Dec 2023 – Aug 2025

- Developed a web scraping bot in **Python** using **Selenium** and **requests** library that fully automated a manual data collection workflow. Used **mypy** and **pytest** for code quality and unit testing

- Defined ELT logic and generated excel reports from the extracted data using **Pandas**

- Created **EC2** instances to
    1. run the scraping workload
    2. host a SonarQube server

- Created **RDS** and **AppRunner** services in AWS using **Cloudformation** which brings high availability and elasticity

- Created functions, views in **PostgreSQL** database to execute CRUD operations

- Created a webhook API using **FastAPI** and **SQS** that handles interaction with third party services

- Created and maintained Lambda functions in AWS using **SAM Framework** which streamlined development and testing procedures

- Enforced user and network level restrictions in AWS using **IAM** and **VPC**

- Implemented user authentication and RBAC authorization using **Auth0**

- Created templates for **BitBucket pipeline** that automated CI/CD workload

Software Engineer
Digital Avenues Infotech Pvt. Ltd.
Oct 2022 – Dec 2023

- Developed a web scraping bot in **Python** using **Scrapy**, **Selenium** and **BeautifulSoup** library to collect data from various websites regularly

- Defined ETL logic over the extracted data using **Pandas**

- Created functions, tables, views in **PostgreSQL** database to execute CRUD operations

- Created stored procedures and table functions in **BigQuery** to execute data warehousing tasks

- Created **Compute Engine**, **App Engine** and **Cloud Function** resources to execute scraping, ETL tasks

- Developed functionality to interact with **Google Cloud Natural Language API** to accomplish text classification and translation tasks

- Developed prototype text classification model using **Keras**

Software Trainee
Jul 2022 – Sep 2022

- Received training to develop fullstack application using **PostgreSQL, ExpressJS, AngularJS, NodeJS**